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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/645,179	08/21/2003	Robert J. Torres	AUS920030293US1	7314
35525	7590	05/01/2008		
IBM CORP (YA) C/O YEE & ASSOCIATES PC P.O. BOX 802333 DALLAS, TX 75380			EXAMINER BORLINGHAUS, JASON M	
			ART UNIT 3693	PAPER NUMBER
			NOTIFICATION DATE 05/01/2008	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/645,179	Applicant(s) TORRES, ROBERT J.	
	Examiner JASON M. BORLINGHAUS	Art Unit 3693	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 January 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 3-44 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 3-44 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>8/22/03</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Claims 3 – 16, 17 – 30 and 31 - 44 in the reply filed on 1/31/2008 is acknowledged.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 3 – 44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sloan (PG Pub. 2002/0147671) in view of Frank (PG Pub. 2002/0013754).

Regarding Claim 3, Sloan discloses a method in a data processing system for providing a financial planning tool, said method comprising the steps of:

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- displaying a two-dimensional coordinate system having time (t) depicted along a first axis (x = time period) and value depicted along a second axis (y = portfolio value at time t). (see fig. 15 – 16; para. 136 – 162);
- dividing said first axis (x axis) into a plurality of time (t) periods. (see fig. 15 – 16; para. 136 – 162);
- specifying a different investment plan (current trade on the user portfolio) for each one of said plurality of time (t) periods. (see para. 120);
- said step of specifying further including the steps of:
 - for each one of said plurality of time (t) periods:
 - specifying assumptions (such as compound growth factor) that affect a change in total investment value for each one of said plurality of time (t) periods. (see fig. 15 – 16; para. 136 – 162); and
- generating an investment graph utilizing said two-dimensional coordinate system that depicts a total value of all investments (portfolio) held and a change over time of said total value during each one of said plurality of time (t) periods. (see fig. 15 – 16; para. 136 – 162); and
- graphically depicting said investment graph utilizing a graphical user interface, said graphical depiction being utilized as a financial planning tool. (see abstract; fig. 15 – 16; para. 136 – 162).

Sloan does not explicitly teach specifying a percentage allocation of all investments to be held during each one of said plurality of time periods among each

type of a plurality of types of investments, although Sloan does disclose inputting an asset mix of investments. (see para. 72).

Frank discloses a method in a data processing system for providing a financial planning tool, said method comprising the step of specifying a percentage allocation of all investments to be held (a percentage amount to invest in each of the plurality of instruments) during each one of said plurality of time periods (time horizon) among each type of a plurality of types of investments. (see para. 14).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Sloan by incorporating a specification of a percentage allocation of investments to be held by the investor, as disclosed by Frank, allowing for the investor to dictate the composition of the portfolio held said investor.

Regarding Claims 4 – 10, Sloan discloses a method comprising:

- projecting (forecasting) a value of all investments (contained within the portfolio) for each one of said plurality of time (t) periods using said investment plan for each one of said plurality of time periods. (see fig. 15 – 16; para. 136 – 162);
- wherein said step of specifying assumptions further comprises specifying assumptions regarding projected growth (compound growth factor) during each one of said plurality of time (t) periods of each type of said plurality of investments. (see fig. 15 – 16; para. 136 – 162);
- wherein said step of specifying assumptions further comprises obtaining current market performance (changes in the values of the securities) for a

set of specified investments during each one of said plurality of time (t) periods. (see fig. 15 – 16; para. 136 – 162);

- wherein said step of specifying assumptions further comprises specifying assumptions regarding projected contributions (contributions, capital inflows) to be made during each one of said plurality of time (t) periods to each type of said plurality of investments. (see para. 126, 136; table 4);
- wherein said step of specifying assumptions further comprises specifying assumptions regarding projected expenditures (capital outflows, withdrawals) during each one of said plurality of time (t) periods. (see para. 126, 136; table 4); and
- projecting a value of all investments (portfolio) included in each one of said plurality of time (t) periods using said investment plan (trade, swap) specified for each one of said plurality of time (t) periods. (see 120, para. 136 – 162).

Sloan does not explicitly teach specifying said plurality of types of investments including: specifying stocks as a type of investment; specifying bonds as a type of investment; and specifying cash as a type of investment, Sloan does indicate that an investor's portfolio may include stocks and bonds. (see fig. 15; para. 69).

Frank discloses specifying said plurality of types of investments including: specifying stocks as a type of investment; specifying bonds as a type of investment; and specifying cash as a type of investment. (see fig. 1, item 22).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Sloan and Frank by incorporating the ability to specify the types of investment, as disclosed by Frank, as specification of the types of investment is standard and conventional in determining the composition of a portfolio.

Regarding Claim 11, Sloan discloses a method further comprising:

- receiving an indication (selection) to adjust said assumptions. (see fig. 11 - 12; para. 106 - 109 - each investor submission of a proposed swap, whether accepted or rejected by the investor, causes another iteration of the flowchart);
- calculating new assumptions. (see fig. 11 - 12; para. 106 – 109);
- determining an adjustment to said investment plan for each one of said plurality of time periods utilizing said new assumptions. (see fig. 11 - 12; para. 106 – 109);
- projecting a new value of all investments included in each one of said plurality of time periods using said adjusted investment plan specified for each one of said plurality of time periods. (see fig. 11 - 12; para. 106 – 109); and
- generating an adjusted investment graph utilizing said new value of all investments included in each one of said plurality of time periods using said adjusted investment plan specified for each one of said plurality of time periods. (see fig. 11 - 12; para. 106 – 109).

Regarding Claim 12, Sloan discloses a method further comprising:

- receiving an indication to adjust said plurality of time periods (user selected time period). (see fig. 11 – 12; para. 106 – 109, 136);
- determining an adjustment to said investment plan (swap) for each one of said adjusted plurality of time periods. (see fig. 11 – 12; para. 106 – 109);
- projecting a new value (impact analysis) of all investments (portfolio) included in each one of said adjusted plurality of time periods using said adjusted investment plan (swap) specified for each one of said adjusted plurality of time periods. (see fig. 11 – 12; para. 106 – 109); and
- generating an adjusted investment graph utilizing said new value of all investments (portfolio) included in each one of said plurality of adjusted time periods using said adjusted investment plan specified for each one of said adjusted plurality of time periods. (see fig. 11 – 12; para. 106 – 109).

Regarding Claim 13, Sloan discloses a method further comprising the steps of:

- receiving an indication to adjust said portfolio. (see fig. 11 – 12; para. 106 – 109);
- determining an adjustment to said investment plan for each one of said plurality of time periods utilizing said adjusted portfolio. (see fig. 11 – 12; para. 106 – 109);
- projecting a new value of all investments included in each one of said plurality of time periods using said adjusted investment plan specified for each one of said plurality of time periods. (see fig. 11 – 12; para. 106 – 109); and

- generating an adjusted investment graph utilizing said new value of all investments included in each one of said plurality of time periods using said adjusted investment plan specified for each one of said plurality of time periods. (see fig. 11 – 12; para. 106 – 109).

Sloan does not explicitly teach an indication to adjust said percentage allocation, although Sloan does disclose indicating a security to remove from the portfolio which would result in an adjustment to the percentage allocation of asset's within the portfolio. (see fig. 12, item 384).

Frank discloses a method in which an indication is submitted to adjust said allocation percentage among a variety of investments. (see para. 14).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Sloan and Frank by incorporating a specification of a percentage allocation of investments to be held by the investor, as disclosed by Frank, allowing for the investor to dictate the composition of the portfolio held said investor.

Regarding Claim 14, Sloan discloses a method further comprising:

- receiving an indication to add a time period (user selected time period).
(see fig. 15 – 16; para. 136 – 162);
- determining an adjustment to said plurality of time periods and adding said time period to said adjusted plurality of time periods. (see fig. 15 – 16; para. 136 – 162);

- projecting a new value of all investments included in each one of said adjusted plurality of time periods. (see fig. 15 – 16; para. 136 – 162); and
- generating an adjusted investment graph utilizing said adjusted plurality of time periods (see fig. 15 – 16; para. 136 – 162).

Regarding Claim 15, Sloan discloses a method further comprising:

- receiving an indication to add an investment plan (swap) for one of said plurality of time periods. (see fig. 11 – 12; para. 106 – 109).
- specifying a new investment plan including:
- specifying assumptions that affect a change in total investment value for said one of said plurality of time periods. (see fig. 11 – 12, 15 - 16; para. 106 – 109, 136 - 162); and
- specifying a portfolio of all investments to be held during said one of said plurality of time periods among each type of said plurality of investments. (see fig. 11 – 12, 15 - 16; para. 106 – 109, 136 - 162);
- projecting a value of all investments included in said one of said plurality of time periods using said new investment plan. (see fig. 11 – 12, 15 - 16; para. 106 – 109, 136 - 162); and
- generating an adjusted investment graph utilizing said new value of all investments included in said one of said plurality of time periods using said new investment plan. (see fig. 11 – 12, 15 - 16; para. 106 – 109, 136 - 162).

Sloan does not explicitly teach a method wherein an investor specifies a percentage allocation of all investments, although Sloan does disclose indicating a security to remove from the portfolio which would result in an adjustment to the percentage allocation of asset's within the portfolio. (see fig. 12, item 384).

Frank discloses a method wherein an investor specifies a percentage allocation of all investments. (see para. 14).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Sloan and Frank by incorporating a specification of a percentage allocation of investments to be held by the investor, as disclosed by Frank, allowing for the investor to dictate the composition of the portfolio held said investor.

Regarding Claim 16, Sloan discloses a method further comprising:

- receiving an indication to display an investment graph. (see fig. 11 – 12, 15 - 16; para. 106 – 109, 136 - 162);
- retrieving a plurality of time periods for said investment graph. (see fig. 11 – 12, 15 - 16; para. 106 – 109, 136 - 162);
- retrieving a different investment plan for each one of said plurality of time periods. (see fig. 11 – 12, 15 - 16; para. 106 – 109, 136 - 162);
- projecting a value of all investments for each one of said plurality of time periods using said investment plan for each one of said plurality of time periods. (see fig. 11 – 12, 15 - 16; para. 106 – 109, 136 - 162); and

- generating an investment graph utilizing said value of all investments included in each one of said plurality of time periods using said investment plan specified for each one of said plurality of time periods. (see fig. 11 – 12, 15 - 16; para. 106 – 109, 136 - 162).

Sloan does not explicitly teach a method wherein a second investment graph methodology is performed, although Sloan does disclose that the methodology is performed iteratively. (see fig. 12).

Regardless, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified the combination of Sloan and Frank to repeat the methodology, since it has been held that mere duplication of the essential working parts of a device, without more, involves only routine skill in the art. *St. Regis Paper Co. v. Bemis Co*, 193 USPQ 8 (CA 7); *In re Harza*, 124 USPQ 378 (CCPA 1960).

Regarding Claims 17 – 44, such claims recite substantially similar limitations as those claimed in previously rejected claims and, therefore, would have been obvious based upon previously rejected claims. Such substantially similar claim limitations are therefore rejected using the same art and rationale as previously utilized. Applicant is reminded that any argument contrary to such an interpretation is an indication of patentably distinct subject matter that may warrant a restriction requirement.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JASON M. BORLINGHAUS whose telephone number is (571)272-6924. The examiner can normally be reached on 8:30am-5:00pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Kramer can be reached on (571) 272-6783. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jason M Borlinghaus/
Examiner, Art Unit 3693

April 25, 2008